

Name _____ Date _____



How to Positively Effect Species and Their Habitat

Choose one of the following species present at Point Reyes National Seashore to answer the questions below:

- | | |
|--|--------------------------------|
| <input type="checkbox"/> Northern fur seal | <i>Callorhinus ursinus</i> |
| <input type="checkbox"/> California sea lion | <i>Zalophus californianus</i> |
| <input type="checkbox"/> Harbor seal | <i>Phoca vitulina</i> |
| <input type="checkbox"/> Northern elephant seal | <i>Mirounga angustirostris</i> |
| <input type="checkbox"/> Stellar's (Northern) sea lion | <i>Eumetopias jubatus</i> |
| | threatened/federal |

Investigation

1. How have population numbers of this particular species changed over time?
2. What are the threats to this species as an individual?
3. What are specific threats to the habitat for this species?
4. What is the federal government doing to increase population numbers?
5. What would be different in your life if all seals and sea lions went extinct before you were born?

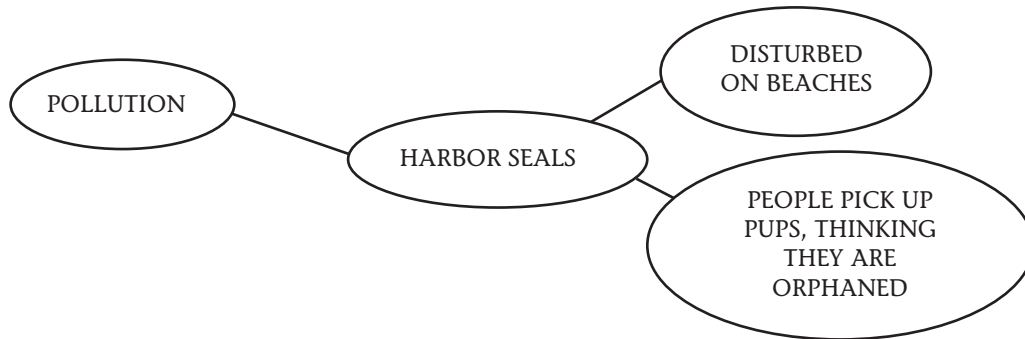


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Problem Solving

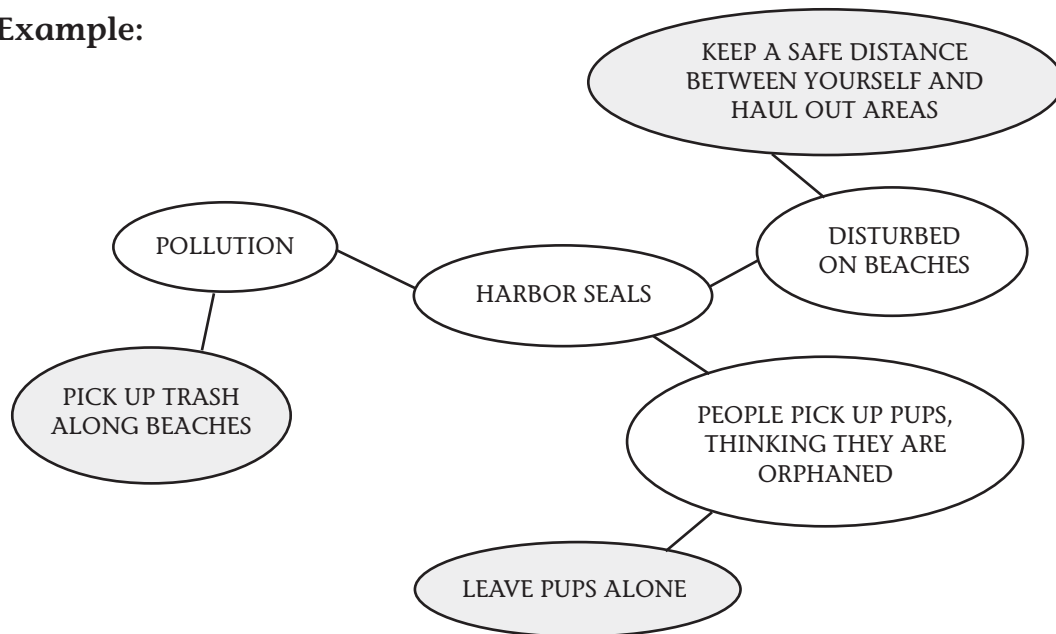
Using a blank piece of paper, you will create a “mind-map”.

Begin by writing the name of your species in the center of the paper and drawing a circle around it. Choose some of the threats to its survival and write those around the species name. Draw circles around each of the threats and connecting lines to the circle in the center. You should have something that looks like this:



Begin problem solving by thinking about actions that lessen the impact of specific threats. Write those actions in circles connected to the threat it seeks to solve.

Example:



Resolution

Review your mind-map to determine what type of actions YOU can take that will positively affect these species and/or their habitat.

Place “*” next to actions you are already doing,

Place a “1” next to actions individuals can do,

Place a “2” next to actions groups can do, and

Place a “?” next to things you believe are not within your control.

Select an option and implement your plan.